

## Product Change Notice

Issue Date: 09 June 2015

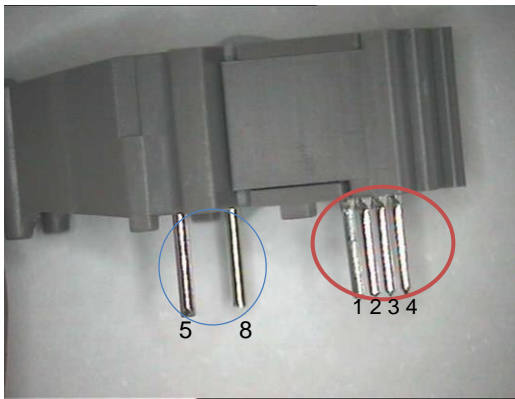
**Change Type:**

Major

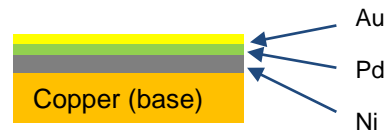
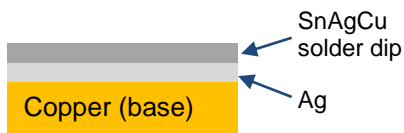
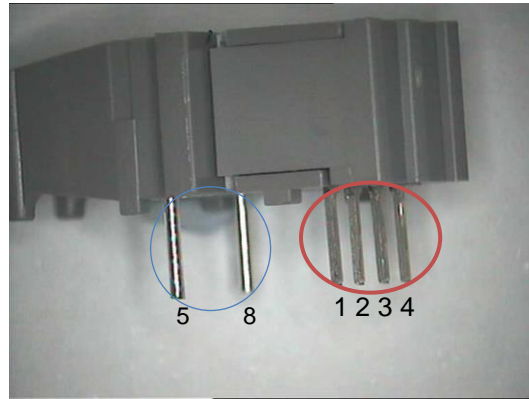
**Description and Extent of Change:**

Qualify NiPdAu pre-plated lead-frame to improve product reliability and product cycle time and to simplify lead-frame supply chain.

**Current**



**New**



Active pins (pin1 to pin4 in red circle): Affected by changing to new NiPdAu lead-frame finish.

Housing staple pins (pin5 and pin8 in blue circle): No Change.

**Parts Affected:**

Transmitters	Receivers	Modules
HFBR-1505CFZ	HFBR-2505CFZ	QFBR-5584Z
HFBR-1505CZ	HFBR-2505CZ	
HFBR-1521ETZ	HFBR-2521ETZ	
HFBR-1521Z	HFBR-2521Z	
HFBR-1522ETZ	HFBR-2522ETZ	
HFBR-1522Z	HFBR-2522Z	
HFBR-1523Z	HFBR-2523Z	

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HFBR-1524Z	HFBR-2524Z
HFBR-1531ETZ	HFBR-2531ETZ
HFBR-1531Z	HFBR-2531Z
HFBR-1532ETZ	HFBR-2532ETZ
HFBR-1532Z	HFBR-2532Z
HFBR-1533Z	HFBR-2533Z
HFBR-1541ETZ	HFBR-2541Z
HFBR-1542ETZ	HFBR-2541ETZ
QFBR-1548Z	HFBR-2542ETZ
QFBR-1551Z	QFBR-2542ETZ
QFBR-1573Z	QFBR-2548Z
QFBR-T519Z	QFBR-2551Z
QFBR-T521Z	QFBR-2573Z
QFBR-T531Z	QFBR-R521Z
QFBR-T631Z	QFBR-R531Z
QFBR-TT03Z	QFBR-TR04Z
QFBR-TT09Z	QFBR-TR05Z
QFBR-TT06Z	QFBR-TR10Z
	HFBR-2523Z-00A

### **Reasons for Changes:**

Eliminate additional solder dip process by implementing NiPdAu Pre-plated lead-frame to improve product reliability and product cycle time and to simplify lead-frame supply chain. Lead frame layout and base material remain unchanged.

### **Effect of Change on Fit, Form, Function, Quality or Reliability:**

No change to fit, form, function, quality or reliability. The product datasheet specification remains the same. Reliability qualifications have been performed to ensure product reliability before the implementation date. Detailed product characterizations were performed to ensure product compliance to datasheet.

### **Effective Date of Change:**

The approximate dates for sample availability, qualification completion and effective date of change for the above changes are shown in the table below. Timing of shipment, on or after the Target Date of the changed part will vary by part number depending on customer demand, and inventory levels.

Sample Availability	Qualification completion	Target Date of change
WW1525	WW1522	WW1537

These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.